

**Delaware
Division of
Air Quality**

2013

Air Toxics Strategic Plan

Year-End Status
(January through December 2013)

Detailed Report

Delaware
Division of Air Quality
2013 Air Toxics Strategic Plan

The Air Toxics Strategic Plan (ATSP) is a five-year plan of activities to be undertaken by Division of Air Quality (DAQ) and its partners to reduce the risk of adverse health effects caused by the inhalation of air toxics. The 2013 - 2017 ATSP, finalized on December 31, 2012, is organized within the following components.

- **Implement appropriate actions to reduce the harm from exposure to air toxics**
- **Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics**
- **Identify options for reducing air toxics in the environment**
- **Build a greater understanding of ambient air toxics in the environment**
- **Identify potential harm from exposure to air toxics**
- **Gather information related to air toxics sources**
- **Implement an on-going program to address the risks from exposure to air toxics**
- **Enhance DAQ air toxics resources**

ACRONYMS

AERMOD	An EPA Dispersion Model
AIRS - AQS	EPA's Air Quality System Database
AQS/TAC	Wilmington Area Planning Council's Air Quality Subcommittee
ACS	Area Source Compliance Group
ATSP	Air Toxics Strategic Plan
BTEX	Benzene, Toluene, Ethyl Benzene, and Xylene isomers
CMAQ	Congestion Mitigation and Air Quality Improvement Program
Cal LEV III	California's Super Ultra Low Emission Vehicle Program
DAQ	Delaware Division of Air Quality
DelDOT	Delaware Department of Transportation
DELJIS	Delaware Criminal Justice Information System
DEN	Delaware Environmental Navigator
DERA	Diesel Emissions Reduction Act
DHSS	Delaware Department of Health and Social Services
DNREC	Delaware Department of Natural Resources and Environmental Control
EPA	U. S. Environmental Protection Agency
EPA R3	U. S. Environmental Protection Agency Region 3
FCE	Full Compliance Evaluation
FY	Fiscal Year
GACT	Generally Achievable Control Technology
HAPs	Hazardous Air Pollutants, as defined in Section 112(b) of the 1990 Amendments to the Clean Air Act
LEV	Low Emission Vehicle
MACT	Maximum Achievable Control Technology
MARAMA	Mid-Atlantic Regional Air Management Association
MLK/DC	Martin Luther King/Delaware City Monitoring Stations
NESCAUM	Northeast States for Coordinated Air Use Management
NESHAP	National Emission Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standard
OTC	Ozone Transport Commission
QA/QC	Quality Assurance/Quality Control
RICE	Reciprocal Internal Combustion Engine
RTR	Risk and Technology Review
SmartWay	EPA's SmartWay Transport Partnership program
Sub	Subpart
VOCs	Volatile Organic Compounds
ZEV	Zero Emission Vehicle

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2013	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/13 Status	Expected Completion
NEW	1. Promote the implementation of mobile source diesel emission reduction projects.		
	a. Facilitate the implementation of diesel emission reduction projects.		
	i. Expand the use of auxiliary power sources for Trinity Trucking, if funding can be found.	• No funding for project found during this period	• Ongoing
	ii. Investigate other diesel emission reduction opportunities.		
	A. Investigate opportunities at the Port of Wilmington.	• No opportunities identified at Port of Wilmington	- - -
	B. Investigate other opportunities	• Awarded FY 2013 DERA grant for diesel propulsion engine replacement project directed by Delaware Bay Launch Services	• 7/14
	iii. Complete retrofits of DelDOT trucks.	• Carried over from 2012 due to supplier's problems providing filter cores • Completed diesel retrofits on 37 DelDOT trucks in June	- - -
	b. Implement projects to reduce greenhouse gases and air toxics from the transportation sector.		
	i. For at least 1 of the Delaware appropriate transportation sector options identified in 2012, establish a path forward, if resources can be identified.	• Worked with the Division of Energy & Climate on development of a program to promote the deployment of clean-fueled vehicles in Delaware, which included . . • A clean-fueled vehicle display with supporting educational materials at and outreach during the Delaware State Fair in July • The amendment of Regulation 1140 adding Cal LEV III requirements in December • A California Air Resource Board sponsored public survey is underway to identify the perceived consumer barriers/obstacles to purchasing of clean-fueled vehicles	- - - • 2015

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2013	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/13 Status	Expected Completion
	1. Promote the implementation of mobile source diesel emission reduction projects.		
	c. Continue to support of the SmartWay Transport programs.		
	i. Continue to monitor usage of kiosk service systems at diesel truck electrification sites.	<ul style="list-style-type: none"> • Received 2012/2013 kiosk usage report for the Smyrna and I-95 diesel truck electrification sites • Review of the kiosk usage report indicated that both electrification sites were being underutilized 	<ul style="list-style-type: none"> • Ongoing • - - -
	ii. Continue to monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.	<ul style="list-style-type: none"> • No activity during this period 	<ul style="list-style-type: none"> • Ongoing
	2. Insure continued or improved compliance of stationary sources.		
	a. Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.	<ul style="list-style-type: none"> • No air toxics-related realignments identified during this period 	<ul style="list-style-type: none"> • Ongoing
	b. Continue to evaluate and realign Area Source Compliance's (ASC) assignments and organization structure to better address risk-based air toxics programs, as needed.	<ul style="list-style-type: none"> • Area Source Compliance was fully staffed and trained entering 2013; no changes warranted as of 4Q13 • Fill reduction in staff resulting from December retirement 	<ul style="list-style-type: none"> • Ongoing • 3Q14
	c. Continue to implement the Asbestos Demolition/Renovation Program.		
	i. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).	<ul style="list-style-type: none"> • Continued to <ul style="list-style-type: none"> • Edit the active user database • Provide data entry for new notifications 	<ul style="list-style-type: none"> • Ongoing
	ii. Educate the public, certified contractors, professional service firms, and government agencies on the proper removal and disposal of asbestos.	<ul style="list-style-type: none"> • Continued to resupply pertinent information in all three counties <ul style="list-style-type: none"> • State Service Centers • Appropriate county building (i.e. building permits; building code compliance, etc) • Began working with the new Small Business Ombudsman to redefine and expand the outreach program and targets 	<ul style="list-style-type: none"> • Ongoing • Ongoing
	iii. Respond to incidences of improper disposal of asbestos containing wastes.	<ul style="list-style-type: none"> • Responded to 6 incidences; initiated and coordinated cleanup and proper disposal during this period 	<ul style="list-style-type: none"> • Ongoing

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	2. Insure continued or improved compliance of stationary sources.		
	d. Take enforcement against gasoline dispensing facilities that are non-compliant with Stage 1 and Stage 2 requirements.	• Two enforcement actions were taken for non-compliance with vapor recovery requirements during the year	• Ongoing
	e. Incorporate updated MACT and Residual Risk requirements in air permits.		
	i. Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.		
	1. HandyTube (formerly, Camdel Metals) to include halogenated solvent cleaning system residual risk (RTR) requirements in Reg. 1138 Section 8.	• Completed incorporation of RTR requirements in Section 8 of Reg. 1138 into the permit renewal on 10/30/13	- - -
	ii. Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation 1130, as needed.	• No need to reopen permits identified during this period	• Ongoing
	f. Incorporate area source standard requirements into natural and synthetic minor source permits, including		
	i. All new installations that are subject to area source standards in Reg. 1138.	• No applicable permit applications received this period	• Ongoing
	ii. All existing miscellaneous parts and products manufacturing facilities determined to be subject to the paint stripping requirements in Reg. 1138 Section 13 and/or the surface coating requirements in Reg. 1138 Section 14.	• Provide technical guidance on Section 14 requirements to a potential affected source considering the initial use of coatings that contain target HAPs	• Ongoing
	iii. Johnson Controls to include lead acid battery manufacturing plant requirements in Reg. 1138 Section 11 by 6/13.	• Incorporated Section 11 requirements on 1/8/13	- - -
	iv. St. Francis Hospital to include hospital ethylene oxide sterilizer requirements in Reg. 1138 Section 9 by 6/13.	• Deleted, this facility shutdown their sterilizer on 5/24/13	- - -
	v. IKO to include asphalt processing and asphalt roofing products manufacturing operations requirements in Reg. 1138 Section 16 by 12/13.	• No activity during this period	• In 2014 ATSP
	vi. New sources subject to Perchloroethylene Dry Cleaning standard (1138 Sect 5).	• No new dry cleaning facilities identified during this period	• Ongoing
	vii. Unpermitted existing sources subject to Perchloroethylene Dry Cleaning standard (1138 Sect 5).	• No unpermitted existing dry cleaning facilities identified during this period	• Ongoing
	viii. New sources subject to Motor Vehicle and Mobile Equipment Surface Coating standard (1138 Sect 15).	• One new “auto-body shop” opened during this period; permit issued	• Ongoing
	ix. Newly identified existing sources subject to Motor Vehicle and Mobile Equipment Surface Coating standard (1138 Sect 15).	• No unpermitted existing “auto-body shop” identified during this period	• Ongoing

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	2. Insure continued or improved compliance of stationary sources.		
	g. Review and approve Stage I and Stage II permit applications at gasoline dispensing facilities.	<ul style="list-style-type: none"> Continued to review and approve, if appropriate, Stage I and Stage II permit applications 	<ul style="list-style-type: none"> Ongoing
		<ul style="list-style-type: none"> Updated the standard operating procedures for permit issuance 	- - -
	h. Continue Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for		
	i. Sources subject to the Motor Vehicle and Mobile Equipment Surface Coating standard (1138 Sect 15).	<ul style="list-style-type: none"> Provide compliance assistance to 176 “auto-body shop” 	<ul style="list-style-type: none"> Ongoing
	ii. Sources subject to the Perchloroethylene Dry Cleaning standard (1138 Sect 5).	<ul style="list-style-type: none"> Provide compliance assistance to 28 dry cleaning facilities 	<ul style="list-style-type: none"> Ongoing
	3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.		
	a. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to a stationary source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.	<ul style="list-style-type: none"> No areas or conditions of unacceptable air toxics risk identified during this period 	<ul style="list-style-type: none"> Ongoing
	b. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to an area source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.	<ul style="list-style-type: none"> No areas or conditions of unacceptable air toxics risk identified during this period 	<ul style="list-style-type: none"> Ongoing
	c. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.	<ul style="list-style-type: none"> No areas or conditions of unacceptable air toxics risk identified during this period 	<ul style="list-style-type: none"> Ongoing
	d. If unacceptable air toxics risk associated with mobile sources is identified, develop and implement appropriate educational and reduction program.	<ul style="list-style-type: none"> No areas or conditions of unacceptable air toxics risk identified during this period 	<ul style="list-style-type: none"> Ongoing
		<ul style="list-style-type: none"> Awarded DERA grant for ‘moveable monitoring van wrap’ project that will be used in part for education and outreach programs 	<ul style="list-style-type: none"> 2014
	4. Implement other air toxics-related communications and outreach programs		
	a. Continue to implement a diesel anti-idling educational program.		
	i. Conduct anti-idling outreach programs for schools and report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> No activity during this period; low priority due to high past compliance and limited resources for field evaluations 	<ul style="list-style-type: none"> 2014
	ii. Conduct anti-idling outreach programs for the trucking industry and report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> No activity during this period 	<ul style="list-style-type: none"> Unknown

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	4. Implement other air toxics-related communications and outreach programs		
	b. Actively promote the development and implementation of educational programs.		
	i. Continue working with the Delaware Valley Regional Planning Commission on educational programs for Air Quality Partnership (AQP).	<ul style="list-style-type: none"> • AQP's character branding project • Worked with AQP on the project to communicate the air quality message targeted to elementary school students • Character branding contract awarded during 3Q/13 • Working with the contractor on developing air quality character 	<p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 4/14
	ii. Continue working with EPA Region 3 on educational programs for SmartWay Transport Programs.	<ul style="list-style-type: none"> • No opportunities this period 	<ul style="list-style-type: none"> • Ongoing
	iii. Provide guidance and assistance to DAQ's programs on development and implementation of educational and outreach programs, when needed.	<ul style="list-style-type: none"> • Developed new materials and exhibits that communicate air quality messages for the use of hybrid cars and the benefits of trip chaining • Conducted public outreach programs utilizing newly developed information on hybrid cars and trip chaining <ul style="list-style-type: none"> • Delaware State Fair (7/18 to 7/27) • Delaware Coast Day (10/6) • Developing an air quality-themed educational program targeting to high school students who will participate in the 2014 Envirothon • Developing a competitive activity and scoring for an air quality-theme for the 2014 Envirothon • Received funding to develop DAQ's message and to provide a vehicle wrap for the moveable monitoring platform 	<p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 1/25/14 • 4/10/14 • 2Q14
	c. Review existing educational information on mobile source emission/impacts and develop a communication plan to address the key issues for Delaware.	<ul style="list-style-type: none"> • Reviewed and provided comments on the redesign and migration of DAQ website in June 	<p style="text-align: center;">- - -</p>

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	4. Implement other air toxics-related communications and outreach programs		
	d. Continue to participate in Claymont Coalition and Claymont Dust Study meetings.	<ul style="list-style-type: none"> Continued participation in the Claymont coalition and participated on the Claymont Dust Study 	<ul style="list-style-type: none"> Ongoing
	e. Continue to improve compliance with Delaware’s open burning requirements.		
	i. Continue to educate the public on Delaware’s open burning restrictions.	<ul style="list-style-type: none"> Revised the home owner’s guide on open burning restrictions Worked with DNREC and the Delaware Fire Service to develop a memorandum of understanding (MOU) to educate fire fighters and property owners on the open burning restrictions 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> Ongoing
	ii. Continue to provide non-compliance prevention guidance for open burning activities.	<ul style="list-style-type: none"> Continued to share recently developed education material with public 	<ul style="list-style-type: none"> Ongoing
	iii. Approve, if appropriate, notifications submitted for open burning.	<ul style="list-style-type: none"> Approved 99 notifications during this period; 3 notification were not approved 	<ul style="list-style-type: none"> Ongoing
	f. Modify the Area Source outreach/communication programs to incorporate needed changes or additions.	<ul style="list-style-type: none"> Completed the incorporation of the newly revised the home owner’s guide on open burning restrictions into the ASC webpages in July 	<p style="text-align: center;">- - -</p>
	5. Continue to enhance the value and use of the air toxics information on DAQ’s web sites.		
	a. Continue to provide pertinent and timely information to the public and regulated community on DAQ’s web site during the adoption of new air toxics standards.	<ul style="list-style-type: none"> Continued to update the Sections 6 and 10 regulatory web sites during the period, include materials associated with <ul style="list-style-type: none"> Release of draft Public workshops Public hearing Finalizing of the 2 regulations Established a new regulatory website for adoption of Section 18 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> Ongoing
	b. Continue to improve and enhance the content, ease of accessing, and information flow for “Air Toxics” on the DAQ web site.	<ul style="list-style-type: none"> Reviewed, updated and improved air toxics webpages following DAQ’s web site reorganization Updated ATSP webpage to provide <ul style="list-style-type: none"> 2013 ATSP Status Reports 2014 ATSP 	<ul style="list-style-type: none"> Ongoing

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NEW	5. Continue to enhance the value and use of the air toxics information on DAQ's web sites. c. Review and update, if needed, to continuously improve the information on the Area Source Compliance (ASC) web pages.	<ul style="list-style-type: none"> Reviewed ASC webpages following reorganization of DAQ's site; updated and improved information on the existing ASC webpages Repair webpages affected by their transfer to the new web platform 	<ul style="list-style-type: none"> Ongoing 1Q14
	6. Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.		
	a. Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/13, if required.	<ul style="list-style-type: none"> Completed regulatory path forward for area source air toxics standards on 10/23 	---
	b. Coordinate the development and incorporation of new and newly revised standards into the Area Source Program – Implementation Plan as part of the Air Toxics Strategic Planning process.	<ul style="list-style-type: none"> Completed regulatory path forward for area source air toxics standards on 10/23 	---
	c. Update the Area Source Program – Implementation Plan by 10/13, if needed.	<ul style="list-style-type: none"> Completed regulatory path forward for area source air toxics standards on 10/23 	---
	7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	a. Amend Regulation 1147 to include petroleum refineries. i. Complete promulgation by 2Q/13.	<ul style="list-style-type: none"> Completed promulgation on 3/1/13 	---
	b. Amend Regulation 1140 to include Cal LEV III requirements. i. Submit start action notice by 1Q/13.	<ul style="list-style-type: none"> Completed on 1/3 	---
	ii. Complete promulgation by 4Q/13.	<ul style="list-style-type: none"> Completed on 12/11 	---
	c. Amend mobile source State Implementation Plan replacing the “parking lot” surveillance element of the inspection and maintenance (I/M) program with more resource-effective alternative procedures.	<ul style="list-style-type: none"> Start Action Notice approved on 6/5 to amend the State Implementation Plan to allow the use of the DELJIS data in lieu of parking lot surveys Public hearing on SIP plan amendment held on 9/25 Finalize SIP amendment 	<ul style="list-style-type: none"> 1/11/14
	d. Amend Regulation 1145 or adopt a new regulation to reduce excessive idling of non-road vehicles similar to the recently approved OTC model rule. i. Submit start action notice by 4Q/13.	<ul style="list-style-type: none"> No activity during this period 	<ul style="list-style-type: none"> 4Q14, if assignable resource is available

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	7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	e. Adopt area standard applicable to Prepared Feeds Manufacturing (Federal Sub DDDDDDD).		
	i. Submit delegation package by 1Q/13.	• Completed on 1/30	---
	f. Amend area standard applicable to Plating and Polishing Operation (Section 10.0) consistent with 2011 revisions to the federal rule (Federal Sub WWWWWW).		
	i. Complete final stringency determinations by 3Q/13.	• Completed the final stringency determination on 7/26	---
	ii. Finalize the adoption by 4Q/13.	• Completed on 9/27	---
	iii. Publish final compliance assistance tools 4Q/13.	• Proposed compliance assistance tool developed on 5/18	---
	iv. Submit delegation package addendum by 4Q/13.	• Completed on 12/27	---
	g. Adopt RTR standards applicable to Chromium Electroplating and Anodizing Operations (Section 6.0) consistent with 2012 revisions to the federal rule (Federal Sub N).		
	i. Complete final stringency determinations by 3Q/13.	• Completed the final stringency determination on 7/25	---
	ii. Finalize the adoption by 4Q/13.	• Completed on 9/27	---
	iii. Publish final compliance assistance tools 4Q/13.	• Proposed compliance assistance tool developed on 5/18	---
	iv. Submit delegation package addendum by 4Q/13.	• Completed on 12/27	---
	h. Adopt area standard applicable to Gasoline Distribution facilities (Federal Sub BBBBBD).		
	i. Complete initial stringency determination between Federal Area Source Standards vs. existing Delaware Regulation 1124 and finalize regulatory path forward in terms of subdividing types of facilities and applicable Regulation (1124 vs. 1138) by 3Q/13.	• On 7/30, the adoption of Sub 6Bs was put ON HOLD, in deference to adoption of Sub CCCCCC instead	• Unknown
	ii. Submit Start Action Notice(s) by 3Q/13.	• ON HOLD	• Unknown

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NEW	7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	i. Adopt area standard applicable to Gasoline Dispensing facilities that dispense gasoline to nonroad vehicles and engines (Federal Sub CCCCCC) as Section 18 in Reg. 1138.	<ul style="list-style-type: none"> Completed critical review of the Section 18 initial draft and made revisions on 11/4 Completed the critical review of the alternative (Sub CCCCCC-based) Section 18 and finalized the needed changes and corrections on 12/10 Currently, ON HOLD pending completion of work group meetings associated with amendment of Stage II requirements in Section 36 of Reg. 1124 	• 4Q/14
	j. Adopt the Federal Sub CCCCCC area source requirements applicable to stage I gasoline dispensing facilities that dispense gasoline to motor vehicles or engines into Sections 26 and 27 of Regulation 1124.	<ul style="list-style-type: none"> Currently, ON HOLD pending completion of work group meetings associated with amendment of Stage II requirements in Section 36 of Reg. 1124 	• 4Q/14
	k. By providing the technical support, adopt area standard applicable to Gasoline Dispensing facilities that dispense gasoline to motor vehicles and motor vehicle engines (Federal Sub CCCCCC) by amending Sections 26 and 27 in Reg. 1124.	<ul style="list-style-type: none"> Completed the pre-draft of Section 26 and 27 on 9/17 Completed revisions and improvements to the Section 26 pre-draft on 10/28 Currently, ON HOLD pending completion of work group meetings associated with amendment of Stage II requirements in Section 36 of Reg. 1124 	• 4Q/14
	l. Continue to develop an initial stringency determination between revised Federal General Provisions (Federal Sub A) vs. existing Delaware Section 3 of Regulation 1138.	<ul style="list-style-type: none"> No activity this period On hold -low priority 	• Unknown
	m. Reevaluate and develop path forward for amending Regulation 1131, which would expand the low enhanced inspection and maintenance (I/M) program statewide.	<ul style="list-style-type: none"> No activity during this period 	• 2014
	n. Revise existing and develop new control strategies, as needed.		
	i. Develop path forward for applicable area source air toxics and incinerator standards finalized in 2013.		
	1. Area source Stationary Internal Combustion Engine Standard (Federal Sub ZZZZ).	<ul style="list-style-type: none"> Reconsideration finalized on 1/30 The adoption of Sub ZZZZ was incorporated into 2014 ATSP 	• 2018

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2013	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	12/31/13 Status	Expected Completion
	7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	n. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	i. Develop path forward for applicable area source air toxics and incinerator standards finalized in 2013.		
	2. Area source Industrial, Commercial & Institutional Boiler MACT Standard (Federal Sub JJJJJJ).	<ul style="list-style-type: none"> • Reconsideration finalized on 1/30 • The adoption of Sub JJJJJJ was incorporated into 2014 ATSP 	• 2017
	3. Area source Chemical Manufacturing Standard (Federal Sub VVVVVV).	<ul style="list-style-type: none"> • Reconsideration finalized on 12/21/12 • The adoption of Sub VVVVVV was incorporated into 2014 ATSP 	• 2016
	4. Commercial and Industrial Solid Waste Incinerator Standard (Federal Sub CCCC).	<ul style="list-style-type: none"> • Reconsideration finalized on 2/7 • No activity needed; no Delaware sources 	- - -
	ii. Develop path forward for residual risk standards applicable area sources finalized in 2013.		
	1. Secondary Aluminum Production Standard (Federal Sub RRR).	<ul style="list-style-type: none"> • Residual risk standard not finalized during this period 	• Unknown
	8. Continue to evaluate and recommend improvements to the inspection and maintenance (I/M) program reporting process.	<ul style="list-style-type: none"> • Identified several improvements during this period to incorporate into processing of future I/M program reports • Updated reporting format to better clarify the data expectations in August 	• Ongoing - - -
	9. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.	<ul style="list-style-type: none"> • Tested an electronic submittal process for submittal of proposed regulation to the DNREC Registrar; on hold awaiting feedback 	• Ongoing
	10. Continue to provide air toxics-related support to State through . . .		
	a. Reviewing of air permits.	<ul style="list-style-type: none"> • Completed final review and signed off on the Johnson Control permit amendment on 1/4 • Provided comments on a draft construction permit for new sludge drier at Wilmington wastewater treatment plant on 6/3 	• Ongoing

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	10. Continue to provide air toxics-related support to State through . . .		
	b. Providing current regulatory interpretations.	<ul style="list-style-type: none"> • Provided applicability guidance and rule interpretations for permits for <ul style="list-style-type: none"> • Coating of misc. parts • Bio-gas fueled boiler • Stationary combustion engines • Area source boiler GACT • Provided background information on DAQ's adoption of the perchloroethylene dry cleaning residual risk requirements to address questions raised by the Pennsylvania Delaware Cleaners Association on 10/15 • Provided background and interpretation on the EPA's area source RICE GACT standard on 12/9, especially in the light of the Alaska, et al location related exemptions 	<ul style="list-style-type: none"> • Ongoing
	c. Advising on likely future trends and actions.	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Ongoing
	d. Providing technical support, as needed.	<ul style="list-style-type: none"> • Reviewed DHSS's 2005-9 Cancer Report and provided preliminary perspective on the potential contribution of air toxics in census tracts having statistically higher incidences of cancer on 4/29 • Participated in the site inspection for a chromium electroplating operation on 8/22 • Submitted 105 Grant Year-End air toxics deliverables to EPA on 9/17 	<ul style="list-style-type: none"> • Ongoing

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2013	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	12/31/13 Status	Expected Completion
	1. Monitor, pending network review to meet changing resources, for Carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3, as appropriate.	<ul style="list-style-type: none"> • Twelve months of sampling successfully completed for metals and VOCs • Nine months of sampling successfully completed for carbonyls; sampler problems, which were resolved in January 2014, prevented sampling during 4Q13 	• Ongoing
	2. Track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics, as needed.	• No requests for information for air toxics of concern were received during this period	• Ongoing
	3. By September, complete a self-assessment of major stationary source air toxics reduction and outreach programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.	• Completed self-assessment on 11/5; no revisions were necessary	- - -
	4. Insure continued or improved compliance of stationary sources.		
	a. Continue to perform full compliance evaluations (FCEs) of facilities subject to major air toxics source standards (i.e. MACT and residual risk standards) in accordance with the 2012-13 Compliance Monitoring Plan (CMP).	<ul style="list-style-type: none"> • 8 FCEs in the 2012-13 CMP completed in FY2012 • 4 FCEs in the 2012-13 CMP completed in FY2013 	- - -
	b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows:		
	i. The 3 chrome plating facilities, subject to Reg. 1138 Section 6, covered during the 2012-13 timeframe.	<ul style="list-style-type: none"> • No FCEs completed in FY2012 • One facility shutdown in May 2013 • 1 FCE completed on 8/22/13 	- - -
	ii. The 1 halogenated solvent degreaser, subject to Reg. 1138 Section 8, covered during the 2012-13 timeframe.	• No FCEs completed during the FY2012-13 timeframe	- - -
	iii. The 2 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, covered during the 2012-13 timeframe.	<ul style="list-style-type: none"> • 1 FCE completed on 2/7/12; this facility subsequently shutdown their sterilizer in 5/24/13 • 1 FCE completed on 4/16/13 	- - -
	iv. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, covered during the 2012-13 timeframe.	• No FCEs completed during the FY2012-13 timeframe	- - -
	v. The 1 source, subject to electric arc furnace standard (Federal Sub YYYYYY), covered during the 2012-13 timeframe.	• Completed FCE on 9/13/13	- - -
	vi. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, covered during the 2012-13 timeframe.	• No FCEs completed during the FY2012-13 timeframe	- - -

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2013	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	12/31/13 Status	Expected Completion
	4. Insure continued or improved compliance of stationary sources.		
	b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows:		
	vii. 40% or ~10 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, covered during the 2012-13 timeframe; total potential population is ~25 facilities.	<ul style="list-style-type: none"> • Two (2) affected sources have been confirmed • 1 FCE completed on 4/3/12 • No FCEs completed in FY2013 	• Ongoing
	viii. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, covered during the 2012-13 timeframe.	• No FCEs completed during the FY2012-13 timeframe	- - -
	ix. The 4 prepared feed manufacturing facilities, subject to Reg. 1138 Section 17, covered during the 2012-13 timeframe.	<ul style="list-style-type: none"> • 2 FCEs completed in FY2012 • 1 FCE completed on 9/26/13 	- - -
	x. The 1 hazardous waste combustor, subject to Federal Sub EEE, covered during the 2012-13 timeframe.	• Completed FCE on 8/29/12 and 6/19/13	- - -
	xi. The 3 municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2012-13 timeframe.	<ul style="list-style-type: none"> • 2 FCEs completed in FY2012 • 1 FCE completed on 5/14/13 	- - -
	xii. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to 1138 Sect 16, covered during the 2012-13 timeframe.	• 1 FCE completed on 4/17/12 and 6/19/13	- - -
	xiii. The 1 gasoline distribution operation, subject to Federal Sub BBBB, covered during the 2012-13 timeframe.	• 1 FCE completed on 4/27/12	- - -
	xiv. The 1 chemical manufacturing operation, subject to Federal Sub VVVVVV, covered during the 2012-13 timeframe.	• 1 FCE completed on 5/30/12	- - -
	xv. Other area source air toxics standards covered during the 2012-13 timeframe.	<ul style="list-style-type: none"> • Completed 3 of 5 FCEs by 8/17/12 • Completed 1 FCE on 3/28/13 	- - -
	c. By 9/13, perform compliance evaluations (CE) at area air toxics sources as follows:		
	i. 50% or ~26 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; current total population is ~51 facilities.	• Completed 27 compliance evaluations (or ~53% of current population) during this period	• Ongoing
	ii. 50% or ~65 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; current total population is ~130 facilities.	• Completed 24 compliance evaluations (or ~18% of current population) during this period	• Ongoing

2013 Air Toxics Strategic Plan – Year-End Detailed Status Report

2013	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	12/31/13 Status	Expected Completion
	4. Insure continued or improved compliance of stationary sources.		
	c. By 9/13, perform compliance evaluations (CE) at area air toxics sources as follows:		
	iii. 10% or ~60 gasoline delivery vessels (GDVs); total population is ~600 facilities.	<ul style="list-style-type: none"> • Performed perceptible leak tests on 41 GDVs during delivery transfers at gasoline stations (or ~5% of the permitted GDVs) during this period • Continued to provide compliance assistance to GDV fleet owners in meeting annual testing and permitting requirements 	<ul style="list-style-type: none"> • Ongoing • Ongoing
	d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities (GDFs) that are subject to vapor balancing requirements of Regulation 1124.	<ul style="list-style-type: none"> • Tracked 350 tests of the vapor recovery systems at 301 GDFs (~88% of current GDFs) • Updated Environmental Navigator system to report out on facilities that did not notify the Department of completion of annual testing 	<ul style="list-style-type: none"> • Ongoing - - -
	e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities (GDFs), subject to Regulation 1124, during 2013; total population is ~348 facilities.	<ul style="list-style-type: none"> • Conducted inspections at 109 regulated GDFs (~32% of regulated GDFs) 	<ul style="list-style-type: none"> • Ongoing
	f. Continue to implement the Asbestos Demolition/Renovation Program.		
	i. Perform site inspections at asbestos demolition/renovation sites.	<ul style="list-style-type: none"> • Completed 297 site inspections during this period 	<ul style="list-style-type: none"> • Ongoing
	5. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate.	<ul style="list-style-type: none"> • Completed on 7/31 	<ul style="list-style-type: none"> - - -
	6. Evaluate compliance to motor vehicle registration denials resulting from failed emissions tests (i.e. “parking lot” surveillance).	<ul style="list-style-type: none"> • Conducted monthly surveys of parking lots statewide (~60 lots/month) • Surveyed 33,333 vehicles in 74,365 spaces • 371 of 33,333 vehicles surveyed (~1.1%) found with expired vehicle tags 	<ul style="list-style-type: none"> • Ongoing

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2013	Identify options for reducing air toxics in the environment	12/31/13 Status	Expected Completion
	1. Implement a risk-based process that identifies, assesses and mitigates unacceptable air toxics impacts.		
	a. Participate in DAQ's risk-based process to identify, assess, and mitigate local areas or conditions of unacceptable air toxics impacts.	<ul style="list-style-type: none"> • No areas or conditions of unacceptable air toxics risk identified during this period 	• Ongoing
	2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement Delaware's air toxics program.	<ul style="list-style-type: none"> • Participated on National Association of Clean Air Agencies' Air Toxics Committee's bimonthly calls • Participated in the joint Health System Protection (HSP) and DNREC meetings on developing a path forward for a statewide outreach program addressing HSP's most recent 5-year cancer statistics • Participated in the DAQ Strategic Planning process for developing a moveable monitoring capability 	• Ongoing
	3. Continue participation on internal, local, regional, and national committees to identify air quality problems related to greenhouse gases, develop strategies, and identify Delaware solutions.	<ul style="list-style-type: none"> • Continued to participate with the . . . <ul style="list-style-type: none"> • Regional Greenhouse Gas Initiative • Transportation & Climate Initiative • North America 2050 Partnership • Clean Cities/States Program • Clean Fuel Standard • NESCAUM LEV/ZEV Workgroups 	• Ongoing
	4. Continue working with the Transportation & Climate Initiative (TCI) to identify other Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector.	<ul style="list-style-type: none"> • Continued to support TCI conference calls and meetings, as scheduled 	• Ongoing
	5. Participate on the OTC Mobile Source Committees developing the following model rules:		
	a. Aftermarket catalytic converters.	<ul style="list-style-type: none"> • Continued to follow OTC development of model rule • FYI, New York included this in their California LEV regulation update 	• Unknown
	b. Medium and heavy-duty diesel inspection and maintenance (I/M) programs.	<ul style="list-style-type: none"> • Continued to follow OTC development of model rule 	• Unknown

2013 Air Toxics Strategic Plan – Year-End *Detailed* Status Report

2013	Identify options for reducing air toxics in the environment	12/31/13 Status	Expected Completion
	6. Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.		
	a. Participate in inter-agency consultation workgroup's 8-hour conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3, as appropriate.	• Continued to attend AQS/TAC meetings as scheduled	• Ongoing
	b. Continue to provide comments and/or recommendations to the Metropolitan Planning Organization and DelDOT on the priority of funding projects with CMAQ funds. Report status to EPA R3, as appropriate.	• Continued to attend AQS/TAC meetings as scheduled	• Ongoing
	7. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.	• Continued to participate in conference calls and webinars	• Ongoing
	8. Continue to participate in Claymont Coalition and Claymont Dust Study meetings.	• Continued participation in the Claymont coalition and participated on the Claymont Dust Study	• Ongoing
	9. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.	<ul style="list-style-type: none"> • Continued to review and provide comment on Preliminary Land Use Service (PLUS) applications • The need for alternative communications avenues to insure full consideration of DAQ comments was identified • Attended the UD's Complete Communities Summit on 11/4/13 • Attended the UD's Transportation Infrastructure symposium on 11/13/13 	• Ongoing
	10. Explore the feasibility of replacing the "parking lot" surveillance element of the inspection and maintenance (I/M) program with more resource-effective alternative procedures.	• Determined that the use of DELJIS data was at least as effective and required less resources than the parking lot surveillance	- - -

2013 Air Toxics Strategic Plan – Year-End *Detailed* Status Report

2013	Identify options for reducing air toxics in the environment	12/31/13 Status	Expected Completion
	11. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.		
	a. Newly proposed amendments to federal air toxics and incinerator standards.	<ul style="list-style-type: none"> EPA finalized amendments to the RICE NESHAP (Sub ZZZZ) & NSPS (Subs IIII & JJJJ) on 1/30; following evaluation filed a petition for reconsideration of these amendments on 4/1 EPA reconsidered 3 provisions of the 1/30 amendments and proposed no changes on 9/5; submitted comments to EPA on these 3 provisions on 11/4 	<p>---</p> <p>---</p>
	b. Newly proposed federal residual risk standards.	<ul style="list-style-type: none"> EPA proposed RTR standards for Flexible Polyurethane Foam Production (Sub III) on 11/4; no evaluation was undertaken as there are no sources in Delaware EPA published proposed & direct final revisions for Secondary Lead Smelting (Sub X) on 12/20; no evaluation was undertaken as there are no sources in Delaware 	<p>---</p> <p>---</p>
	12. Continue to implement review protocols and evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the proposed rules, as appropriate.		
	a. Newly proposed amendments to federal air toxics and incinerator standards.	<ul style="list-style-type: none"> No activity this period 	<ul style="list-style-type: none"> Ongoing
	b. Newly proposed federal residual risk standards.	<ul style="list-style-type: none"> No activity this period 	<ul style="list-style-type: none"> Ongoing

2013 Air Toxics Strategic Plan – Year-End *Detailed* Status Report

2013	Identify options for reducing air toxics in the environment	12/31/13 Status	Expected Completion
	13. Identify grant and funding opportunities.		
	a. Facilitate the identification, preparation and submission for transportation-related grants or other funding.	<ul style="list-style-type: none"> Submitted application on 5/31 for a FY 2013 DERA grant Received notification from EPA on 6/6 confirming that FY 2013 DERA grant funding was available EPA awarded DERA grant funding to Delaware in September 	<p>---</p> <p>---</p> <p>---</p>
	b. Identify funding to implement the 2012 selected Delaware appropriate transportation sector option(s).	<ul style="list-style-type: none"> Delaware's Regional Greenhouse Gas Initiative auction proceeds were conditionally approved for a program to promote the deployment of ZEVs Georgetown (Virginia) Climate Center was identified as a potential funding source for the program to promote the deployment of ZEVs 	<p>---</p> <p>---</p>
	14. Reevaluate the "Smoking Vehicle Reduction Program" options.		
	a. Complete baseline testing of smoking vehicles program.	<ul style="list-style-type: none"> No activity during this period 	<ul style="list-style-type: none"> Unknown
	b. Review baseline testing results and identify funding of program, if implementation is warranted.	<ul style="list-style-type: none"> No testing results available 	<ul style="list-style-type: none"> Unknown
	15. Develop and implement Stage II decommissioning strategy for gasoline dispensing facilities (GDFs).	<ul style="list-style-type: none"> Provided the following information to assist DAQ's development of a decommissioning strategy and path forward: <ul style="list-style-type: none"> Demographics of Stage II controls at Delaware GDFs Costs for conversions of GDFs Costs for decommissioning of GDFs Participated in DAQ's three Stage II regulatory workgroup meetings 	<ul style="list-style-type: none"> Ongoing
	16. Provide technical assistance on lightering operations to DAQ and Ozone Transport Commission, as needed.	<ul style="list-style-type: none"> No assistance requested during this period 	<ul style="list-style-type: none"> Ongoing

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2013	Build greater understanding of ambient air toxics environment	12/31/13 Status	Expected Completion
	1. Determine ambient air toxics concentrations for selected HAPs in Delaware.		
	a. Monitor, pending network review to meet changing resources, for Carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3, as appropriate.	<ul style="list-style-type: none"> • Twelve months of sampling successfully completed for metals and VOCs • Nine months of sampling successfully completed for carbonyls; sampler problems, which were resolved in January 2014, prevented sampling during 4Q13 	• Ongoing
	b. Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation.	• All validated results were submitted to EPA	• Ongoing
	c. Continue to collaborate with University of Delaware on air toxics research and special projects.	• No air toxics related projects were undertaken during this period	• Ongoing
	d. Working in partnership with the University of Delaware, continue the Upper Air Profiler project, which will provide meteorological data to National Oceanic and Atmospheric Administration repository for potential use in air toxics modeling, etc.	<ul style="list-style-type: none"> • Completed installation of the Upper Air Profiler in March; commenced operations and data collection in April • Completed installation of the meteorological tower in May; commenced operations and data collection in July 	• Ongoing
	e. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.	<ul style="list-style-type: none"> • Identified funding source to broaden air toxics monitoring capability • Ordered a Synspec gas chromatograph for BTEX monitoring in December 2013 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • Delivery in Jan. 2014
	f. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance through additional monitoring activities.	• No new air toxics related activities identified during this period	• Ongoing
	g. Participate in DAQ's risk-based process to identify, assess, and mitigate local areas or conditions of unacceptable air toxics impacts.	• No areas or conditions of unacceptable air toxics risk identified during this period	• Ongoing

2013 Air Toxics Strategic Plan – Year-End Detailed Status Report

2013	Build greater understanding of ambient air toxics environment	12/31/13 Status	Expected Completion
	1. Determine ambient air toxics concentrations for selected HAPs in Delaware.		
	h. Undertake new or special monitoring needs that may surface.		
	i. Continue the special air toxic monitoring project at Martin Luther King (MLK) and Delaware City air toxics monitoring stations.	<ul style="list-style-type: none"> Continuing special air toxics monitoring at Delaware City monitoring station during this period Special air toxics monitoring at MLK monitoring station is on hold until the completion of the Delaware City special monitoring evaluation 	<ul style="list-style-type: none"> Ongoing
	ii. Undertake the methyl bromide monitoring project in the communities around Port of Wilmington.	<ul style="list-style-type: none"> Methyl bromide monitoring project dropped due to lack of funding 	- - -
	iii. Undertake air toxics monitoring projects using the moveable monitoring platform where modeling results predict high concentrations or where the public has expressed concern.	<ul style="list-style-type: none"> Equipped the moveable monitoring platform for a non-air toxics (PM_{2.5}, ozone, and black carbon) monitoring and started a monitoring project in Claymont during August 2013 EPA Region 3 has co-conducted a passive air toxics monitoring project at the moveable monitoring platform site in Claymont Both the DAQ and EPA monitoring projects in Claymont are expected to conclude in March 2014 	<ul style="list-style-type: none"> 3/31/14 3/31/14
	2. Provide air toxics modeling support to meet community and internal needs.	<ul style="list-style-type: none"> No requests for air toxics modeling support received during this period 	<ul style="list-style-type: none"> Ongoing
	3. Conduct “remote sensing” study to meet ozone State Implementation Plan requirements.	<ul style="list-style-type: none"> Remote sensing study was undertaken between 6/11 and 6/18 Final report received on 8/22 	<ul style="list-style-type: none"> - - - - - -

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2013	Identify potential harm from exposure to air toxics	12/31/13 Status	Expected Completion
NEW	1. Identify the potential for unacceptable air toxics impacts.		
	a. Using existing modeled results identify candidate locations for air toxics monitoring using the moveable monitoring platform.	• No activity during this period	• Unknown
	b. Continue to provide historical and projected emissions information in support of DAQ's air toxics modeling activities to identify unacceptable air toxics impacts.	• No requests were received for air toxics emissions inventory information to support modeling activities during this period	• Ongoing
	c. Continue to perform screen modeling to address potential air toxics risks during the permitting of new or modified stationary sources.	• Performed screen modeling for new or revised permits during this period • As needed, AERMOD is run for more thorough risk assessment, no needs identified during this period	• Ongoing
	d. Coordinate Division of Public Health's risk assessment support when DAQ's risk-based process activities identify potentially unacceptable air toxics impacts.	• No requests for risk assessment support were received during this period	• Ongoing
	e. Analyze potential impact of air toxics on the cancer incidences reported in DHSS 2005-9 Cancer Report.	• The DHSS released the "Cancer Incidence and Mortality Report" for the years 2005-2009 on 5/1 • Completed review of DHSS draft report and provided DAQ with the potential contributions of air toxics for higher than expected cancers, using level of risk reported in the Delaware Air Toxics Assessment Study - Phase 1 Report on 4/29	- - -
	2. Provide modeling support to DAQ's Community Air Toxics Study (CATS), when validated monitoring data becomes available.	• On hold pending completion of QA/QC validation of monitoring data	• Unknown
	3. Provide modeling support to DAQ's MLK/DC Air Toxics Project, when validated monitoring data becomes available.	• On hold pending completion of QA/QC validation of monitoring data	• Unknown
	4. Provide modeling support to Engineering & Compliance (E&C) associated with risk-based permitting decisions, as needed.	• Provided E&C with potential health impact data due to methyl bromide emissions from fumigation operations at the Port of Wilmington	- - -

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2013	Gather information related to air toxics sources	12/31/13 Status	Expected Completion
	1. Continue to provide emissions inventory support to the air toxics education and reduction programs, as required.	<ul style="list-style-type: none"> • No air toxics emissions inventory support requests were received during this period 	<ul style="list-style-type: none"> • Ongoing
	2. Track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics, as needed.	<ul style="list-style-type: none"> • No requests for information for air toxics of concern were received during this period 	<ul style="list-style-type: none"> • Ongoing
	3. By 12/13, identify and enter into DEN all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the Clean Air Act.	<ul style="list-style-type: none"> • No new or previously unidentified affected area source discovered during this period 	<ul style="list-style-type: none"> • Ongoing
	4. By 12/13, identify and enter into AFS (via DEN) all new or previously unknown affected sources which are subject to Perchloroethylene Dry Cleaning standard (1138 Sect 5), Methylene Chloride Paint Stripping standard (1138 Sect 13), and Motor Vehicle and Mobile Equipment Surface Coating standard (1138 Sect 15). Similarly, identify and enter gasoline delivery vessel (GDV) information into the DAQ database until DEN capability is available.	<ul style="list-style-type: none"> • Completed major emphasis on populating DEN database with new and known affected sources in June • Office of Information Technology continues to progress on modifications to DEN for future installation of GDV information 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 2014
	5. Submit Underground Storage Tank Semiannual Activities Reports to the EPA by April 30 and October 31, 2013.	<ul style="list-style-type: none"> • Submitted Semiannual Activities Reports in April and October 	<p style="text-align: center;">- - -</p>
	6. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.	<ul style="list-style-type: none"> • No newly promulgated area source standards during this period • No requests for assistance in identifying affected sources received during this period 	<ul style="list-style-type: none"> • Ongoing
	7. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).	<ul style="list-style-type: none"> • Continued to <ul style="list-style-type: none"> • Edit the active user database • Provide data entry for new notifications 	<ul style="list-style-type: none"> • Ongoing

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2013	Implement an ongoing program to address the risks from exposure to air toxic	12/31/13 Status	Expected Completion
	1. Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts.		
	a. Review status and complete year-end status report on the 2012 individual Strategic Plans by 1/31/14.	• Completed on 1/25/13	- - -
	b. Track implementation and report year-end-status of the 2012 Air Toxics Strategic Plan by 3/31/13.	• Completed 2012 ATSP status report on 3/21	- - -
	c. Review status and complete mid-year status report on the 2012 individual Strategic Plans by 7/31/14.	• Completed on 7/30/13	- - -
	d. Track implementation and report mid-year status on the 2013 Air Toxics Strategic Plan by 9/30/13.	• Completed on 10/14	- - -
	e. Continue to conduct GAP analyses within the risk-based strategic planning process and incorporate the results into the development of the 2014 Air Toxics Strategic Plan by 10/31/13.	• No activity this period	- - -
	f. Updating of the Air Toxics Strategic Plan for 2014-2018.		
	i. Review and revise, if needed, air toxics area source program and timing, as part of the 2014 Air Toxics Strategic Plan by 10/13.	• Incorporated the air toxics regulatory path forward into the 2014 ATSP on 11/4	- - -
	ii. Review and revise, if needed, air toxics area source activities and timing as part of the 2014 Air Toxics Strategic Plan by 11/13.	• Completed reviews by 11/7; no revisions were necessary	- - -
	iii. Coordinate development of the 2014 Air Toxics Strategic Plan.	• Completed on 12/11	- - -
	iv. Update individual Strategic Plans for 2014-2018 by 11/31/13.	• Completed on 11/21	- - -
	v. Update and finalize 2014 Air Toxics Strategic Plan for years 2014 to 2018 by 12/31/13.	• Completed on 12/23	- - -

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2013	Implement an ongoing program to address the risks from exposure to air toxic	12/31/13 Status	Expected Completion
	2. Build infrastructure to implement DAQ's risk-based process to mitigate unacceptable air toxics impacts.		
	a. Continue the development and implementation of moveable monitoring capability.		
	i. Confirm type of moveable monitoring platform to be used by 1Q/13.	• Completed on 4/30/13	- - -
	ii. Complete acquisition of monitoring equipment and supporting fixtures by 2Q/13.	• Completed for non-air toxics monitoring projects on 3/13/13 • Ordered a Synspec gas chromatograph for BTEX monitoring in December 2013	- - - • Delivery in Jan. 2014
	iii. Complete installation and testing of the monitoring equipment and supporting fixtures by 3Q/13.	• Completed installation for non-air toxics monitoring projects on 6/30/13 • Installation of the newly acquired Synspec gas chromatograph for BTEX monitoring being scheduled	- - - • 3/31/14
	iv. Moveable monitoring capability available for use by 4Q/13.	• Started up the initial monitoring project (PM _{2.5} , ozone, and black carbon) utilizing in the newly equipped moveable monitoring platform in Claymont during August 2013	- - -
	b. Develop screening models to assess the impact from the exposure to air toxics.		
	i. Identify and characterize options for screening models to define risk from exposure to air toxics by 6/13.	• Began review of the methodologies used by Delaware Public Health and the EPA in screening risk for inhalation exposure to air toxics	• Incorporated into 2014 ATSP risk module development
	ii. Begin testing the risk screening models using DAQ's Community Air Toxics Study (CATS) monitoring results by 9/13.	• No activity this period, as QA/QC validation of monitoring results has not been completed	• Unknown

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2013	Air toxics resource development	12/31/13 Status	Expected Completion
	1. Evaluate available training and encourage broader participation in risk-related training.		
	a. Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate.	<ul style="list-style-type: none"> • EPA’s webinar on recent RICE NESHAP amendment webcast on 3/19 • EPA’s webinar on Combined Heat and Power transmitted on 4/30 • MARAMA’s webinar on “Current Topics in Mercury and Air Quality - 2 Control Methods” webcast on 6/11 • MARAMA’s “200 Series Training” workshop held on 12/10 to 12/13 	• Ongoing
	b. Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.	• No activity this period	• Ongoing
	c. Evaluate the need for air toxics-related training for staff and present, as needed.	• Appropriate staff attended the MARAMA’s air toxics-focused “200 Series Training” workshop on 12/10 to 12/13	• Ongoing
	d. Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.	• No activity this period	• Ongoing
	2. Improve staff’s ability to identify affected area sources by providing training on applicability requirements for air toxics area source standards adopted under 112(k).		
	a. Develop an air toxics educational program (presentation and educational materials) that facilitates the interpretation of the applicability requirements of area source standards adopted by EPA under Section 112(k).	• On hold, due to low priority	• Unknown
	b. Refine and present the training module on Section 14 of Regulation 1138 (spray-applied coating of misc. parts & products) for the Engineering and Compliance Branch.	• On hold, due to low priority	• Unknown
	3. Continue to assess and pursue implementation of a process for multi-agency sharing of source information for new and existing sources, including gasoline delivery vessels.	<ul style="list-style-type: none"> • Continued to exchange auto-body shop inspection results with DNREC’s Groundwater Discharge Section under a cooperative arrangement established in late 2012 • Develop an information exchange with DNREC’s Boiler Safety program 	<ul style="list-style-type: none"> • Ongoing • 1Q14

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2013	Air toxics resource development	12/31/13 Status	Expected Completion
	4. Continue to build a volunteer base in DAQ.	<ul style="list-style-type: none"> • DAQ's volunteer nominee was awarded DNREC's "Outstanding Volunteer" in the 'Research' category on 7/25 • One 2012 intern returned to again volunteer over the summer of 2013; this intern is currently employed on part time basis 	<p style="text-align: center;">- - -</p>
	5. Continue to implement newly found mechanisms to improve air toxics communications between branches.	<ul style="list-style-type: none"> • No new mechanisms identified during this period 	<ul style="list-style-type: none"> • Ongoing